



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP140189
Cust No: 18300-25630

30-039-30599

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #20M
County/State: RIO ARRIBA NM
Location: G08-30N-05W
Field:
Formation: MV/DK
Cust. Stn. No.: 82360018
AM02409885NO

Source: INTERMEDIATE
Pressure: 554 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 02/25/2014
Sampled By: PAT S.
Foreman/Engr.: CHANDLER WITTLE

OIL CONS. DIV DIST. 3

Remarks:

MAY 14 2014

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.141	0.0160	0.00	0.0014
CO2	0.003	0.0010	0.00	0.0000
Methane	96.422	16.3780	973.86	0.5341
Ethane	2.082	0.5580	36.85	0.0216
Propane	0.799	0.2210	20.10	0.0122
Iso-Butane	0.156	0.0510	5.07	0.0031
N-Butane	0.191	0.0600	6.23	0.0038
I-Pentane	0.061	0.0220	2.44	0.0015
N-Pentane	0.037	0.0130	1.48	0.0009
Hexane Plus	0.108	0.0480	5.69	0.0036
Total	100.000	17.3680	1051.73	0.5823

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1056.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1038.1
REAL SPECIFIC GRAVITY: 0.5833

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 1050.8
DRY BTU @ 14.696: 1054.1
DRY BTU @ 14.730: 1056.5
DRY BTU @ 15.025: 1077.7

CYLINDER #: 4187
CYLINDER PRESSURE: 562 PSIG
DATE RUN: 3/19/14 12:22 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #20M
Stn. No.: 82360018
Mtr. No.: AM02409885NO

INTERMEDIATE
MV/DK

03/26/2014
18300-25630

Smpl Date: 02/25/2014
Test Date: 03/19/2014
Run No: CP140189
Nitrogen: 0.141
CO2: 0.003
Methane: 96.422
Ethane: 2.082
Propane: 0.799
I-Butane: 0.156
N-Butane: 0.191
I-Pentane: 0.061
N-Pentane: 0.037
Hexane+: 0.108
BTU: 1056.5
GPM: 17.3680
SPG: 0.5833



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: CP140188
Cust No: 18300-25625

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: SAN JUAN 30-5 #20M
County/State: RIO ARRIBA NM
Location: G08-30N-05W
Field:
Formation: MV/DK
Cust. Str. No.: 82360018
AM02409885NO

Source: CASING
Pressure: 98 PSIG
Sample Temp: 60 DEG. F
Well Flowing: Y
Date Sampled: 02/25/2014
Sampled By: PAT S.
Foreman/Engr.: CHANDLER WITTLE

OIL CONS. DIV DIST. 3
MAY 14 2014

Remarks:

Analysis

Component:	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.393	0.0430	0.00	0.0038
CO2	5.931	1.0140	0.00	0.0901
Methane	92.022	15.6320	929.42	0.5097
Ethane	1.186	0.3180	20.99	0.0123
Propane	0.239	0.0660	6.01	0.0036
Iso-Butane	0.091	0.0300	2.96	0.0018
N-Butane	0.043	0.0140	1.40	0.0009
I-Pentane	0.014	0.0050	0.56	0.0003
N-Pentane	0.009	0.0030	0.36	0.0002
Hexane Plus	0.072	0.0320	3.80	0.0024
Total	100.000	17.1570	965.50	0.6252

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 969.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 953.0
REAL SPECIFIC GRAVITY: 0.6264

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 964.6
DRY BTU @ 14.696: 967.7
DRY BTU @ 14.730: 969.9
DRY BTU @ 15.025: 989.3

CYLINDER #: 4030
CYLINDER PRESSURE: 91 PSIG
DATE RUN: 3/19/14 12:20 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #20M
Stn. No.: 82360018
Mtr. No.: AM02409885NO

CASING
MV/DK

03/26/2014
18300-25625

Smpl Date: 02/25/2014
Test Date: 03/19/2014
Run No: CP140188
Nitrogen: 0.393
CO2: 5.931
Methane: 92.022
Ethane: 1.186
Propane: 0.239
I-Butane: 0.091
N-Butane: 0.043
I-Pentane: 0.014
N-Pentane: 0.009
Hexane+: 0.072
BTU: 969.9
GPM: 17.1570
SPG: 0.6264